

# MOISTURE MAPPING



## What is it?

Moisture mapping is a highly effective non-destructive method of testing for trapped water within an existing flat roof build up. A moisture gauge is used to identify the presence of dampness within the roof structure to depths of 200mm and can detect water in roofs with multi-layers of insulation. The information collected from the survey is plotted onto a roof plan showing exactly where the water damaged areas are within the roof, providing confirmation of the suitability of the existing build up to receive a waterproofing membrane overlay.

## When to use it?

Moisture mapping is an invaluable resource for determining flat roof performance and proactively planning any required roof remedies or maintenance. This moisture detection method is currently the only reliable way to test underlying sections of multiple layer roof systems for trapped water. It can be used on any type of roof deck and all types of waterproofing and insulation systems. It can be equally effective on roofs that have already been overlaid with a second layer of insulation and waterproofing as it is when there is only one layer of insulation. It will also detect moisture in uninsulated situations within the roof deck or supporting structure.

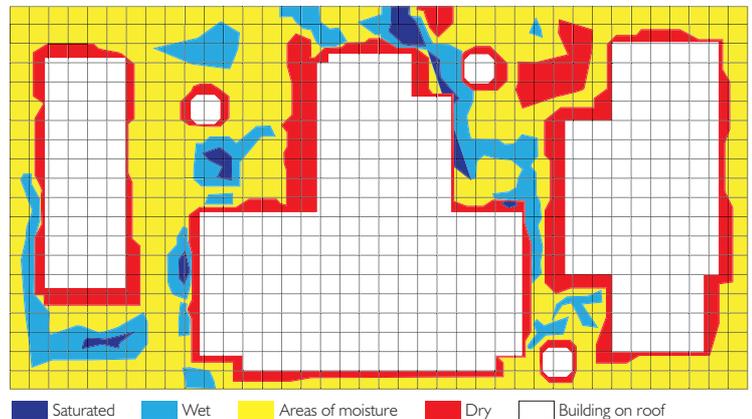
## Why use it?

The moisture mapping results pinpoint the saturated areas of the roof structure, which would otherwise not be known, meaning only repairs or partial replacements may be required, saving the client time and money. The data from the moisture gauge combined with our visual inspection enables us to make an informed judgment of the roofs performance based on scientific findings and therefore make appropriate proposals to our clients.

## Moisture Mapping Process

- Inspection of existing roof construction
- Identify areas of moisture using gauge at test points
- Core samples extracted to verify moisture content and calibrate the readings
- Collate and analyse results using statistical software
- Comprehensive roof survey report created

## Roof Moisture Plot



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